IN THE CLAIMS

Please make the following claim substitutions:

1   1. (Canceled)

2   2. (Canceled)

1   3. (Canceled)

1   4. (Currently amended) A method of format detection for information received over a

2   communication system, the method comprising the step of determining the format of the

3   received information by decoding received information extracted from a defined guiding

4   channel, wherein information size values obtained from a defined list of size values for

5   the guiding channel is are used in the decoding,

6   wherein the step of determining the format comprises the steps of:

7   extracting received information from other channels of the communications

8   system;

9   performing decoding operations on the extracted guiding channel information M

10   times where M is an integer that represents a total number of information size

11   values in said list;

12   deciding which of the M decoding operations resulted in a correct decode; and

13   determining the format of the received information from the information size value

14   of the guiding channel that yielded the correct decode, and

15   wherein the step of deciding which of the M decoding operations resulted in a correct

16   decode comprises the steps of:

17   performing at least one decode operation on the extracted guiding channel

18   information yielding at least one decode result; and

19   applying the at least one decode result to an algorithm for deciding whether there

20   is a correct decode and which information size value yielded such correct

21   decode,

22   ~~The method of claim 3 where~~ wherein the communication system is a 3GPP compliant

23   UMTS where the guiding channel is TrCh1 and the decoding operations comprise

24   convolutional decoding yielding a result on which a tail bit test and CRC decoding are

25   performed ~~whereby~~ wherein each such operation is performed M times.

1   5. (Original) The method of claim 4 where the format being determined are transport

2   formats of TrCh2 and TrCh3 based on a format detected for TrCh1.

1   6. (Currently amended) The method of claim 4 where the decoding operations yield

2   decoding results that

3   are used in the algorithm to decide the correct decode where the CRC decoding for the

4   i^{th} operation yields a value C_i, and the tail bit test yields values T_i and K_i where i is any

5   integer equal to M or less and, ~~whereby~~ wherein

6   (a) $C_i = 1$ indicates a CRC pass;

7   (b) $C_i = 0$ indicates a CRC fail;

8   (c) T_i is an integer value that represent a total number of "1" bits occurring in the tail bits

9   of the convolutional decoding result and further, T_0 is a defined threshold value that is

10   an integer equal to 1 or greater.

11   (d) $K_i = 1$ indicates a tail bit test pass condition where $T_i \leq T_0$; and

12   (e) $K_i = 0$ indicates a tail bit test fail;

1   7. (Original) The method of claim 6 where a correct decode is declared when any one of

2   the following conditions occurs from one of the M decoding operations:

3   (a) only one of the decoding operations yielded in a CRC pass;

4   (b) none of the decoding operations yielded a CRC pass, and of these, only one passed

5   the tail bit test;

6   (c) none of the decoding operations yielded a CRC pass, but more than one passed the

7   tail bit test, and of these, only one satisfies the condition $T_i = T_0$;

8   (d) none of the decoding operations yielded a CRC pass, but more than one passed the

9   tail bit test, and of these, only one satisfies the condition $T_i < T_0$;

10   (e) More than one decoding operation yielded a CRC pass, but none passed the tail bit

11   test, and of these, only one satisfies the condition $T_i = T_0 + 1$;

12 (f) More than one decoding operation yielded a CRC pass and passed the tail bit test,

13 but only one of these satisfy the condition $T_i < T_0$;

14 (g) More than one decoding operation yielded a CRC pass, and of these, only one

15 passed the tail bit test; and

16 (h) More than one decoding operation yielded a CRC pass and passed the tail bit test,

17 but only one satisfies the condition $T_i = T_0$.

1 8. (Original) The method of claim 6 where a BTFD failure is declared when any one of

2 the following sets of values or conditions occur from at least one of the M decoding

3 operations:

4 (a) none of the M decoding operations yielded either a CRC pass or a tail bit test pass

5 result;

6 (b) none of the M decoding operations yielded a CRC pass, but more than one passed

7 the tail bit test and none of these satisfy the condition $T_i = T_0$ condition;

8 (c) none of the M decoding operations yielded a CRC pass but more than one passed

9 the tail bit test, and of these, more than one decoding operation yielded the values $C_i = $

10 0; $K_i = 1$; $T_i = T_0$;

11 (d) none of the M decoding operations yielded a CRC pass, but more than one passed

12 the tail bit test, and of these, more than one yielded values of $C_i = 0$; $K_i = 1$; $T_i < T_0$;

13 (e) more than one of the M decoding operations yielded a CRC pass, but none passed

14 the tail bit test, and of these, none satisfy the condition $T_i = T_0 + 1$;

15 (f) more than one of the M decoding operations yielded a CRC pass, but none passed

16 the tail bit test, and of these, more than one yielded the values $C_i = 1$; $K_i = 1$; $T_i = T_0 + 1$;

17 (g) more than one of the M decoding operations yielded values of $C_i = 1$; $K_i = 1$; $T_i < T_0$;

18 (h) more than one of the decoding operations yielded a CRC pass and a tail bit pass

19 result, and of these, none satisfy the conditions $T_i < T_0$ or $T_i = T_0$; and

20 (i) more than one of the decoding operations yielded a CRC pass and a tail bit test pass

21 result, and of these, more than one yielded values of $C_i = 1$; $K_i = 1$; $T_i = T_0$.

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